

*United States Coast Guard*



**TANKSHIP  
INSPECTION BOOK**

<b>Name of Vessel</b>		
<b>Official Number</b>	<b>Class</b>	
<b>Date Completed</b>	<b>Location</b>	
<b>Vessel Built in Compliance with SOLAS: 60 74 74/78 N/A</b>		
<b>Route</b>		
Oceans	Limited Coastwise	Lakes / Bays / Sounds
Coastwise	Great Lakes	Rivers
<b>Inspection Type</b>		
Inspection for Certification (COI)		Reinspection
<b>Inspectors</b>		
1. _____	3. _____	
2. _____	4. _____	

[illegible]

### MSIS Codes for Deficiencies:

### Use of Tankship Inspection Book:

This document does not establish or change Federal laws or regulations. References given are only general guides. Refer to IMO publications, CFR's, NVIC's or any locally produced cite guides for specific regulatory references. Not all items in this book are applicable to all vessels.

## Guide to Examinations:

**Pre-inspection Items:**

**Post-inspection Items:**

## Recommended US Vessel Deficiency Procedures:

Step	Action								
1	Identify deficiency.								
2	Inform vessel representative.								
3	Record on the <i>Deficiency Summary Worksheet</i> (next page).								
4	If deficiency is corrected prior to end of inspection, go to Step 7.								
5	<p>If deficiency is unable to be corrected prior to end of inspection, issue CG-835 in accordance with table below.</p> <table border="1"> <thead> <tr> <th>IF deficiency:</th><th>THEN issue CG-835:</th></tr> </thead> <tbody> <tr> <td> <p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> <li>Missing placards</li> <li>Non-metallic expansion joints more than 10 years in service</li> </ul> </td><td> <p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> <li>"X" number of days</li> <li>At next drydock</li> </ul> </td></tr> <tr> <td> <p>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> <li>Expired international certificates</li> <li>Automation defect</li> </ul> </td><td> <p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> <li>Reduced route</li> <li>Increased crew</li> </ul> </td></tr> <tr> <td> <p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> <li>Missing or defective firefighting equipment</li> <li>Structural defect or damage</li> </ul> </td><td> <p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> <li>Prior to carrying cargo</li> </ul> </td></tr> </tbody> </table>	IF deficiency:	THEN issue CG-835:	<p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> <li>Missing placards</li> <li>Non-metallic expansion joints more than 10 years in service</li> </ul>	<p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> <li>"X" number of days</li> <li>At next drydock</li> </ul>	<p>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> <li>Expired international certificates</li> <li>Automation defect</li> </ul>	<p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> <li>Reduced route</li> <li>Increased crew</li> </ul>	<p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> <li>Missing or defective firefighting equipment</li> <li>Structural defect or damage</li> </ul>	<p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> <li>Prior to carrying cargo</li> </ul>
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6	Enter CG-835 data in MIDR.								
7	Enter deficiency data in MSDS.								
8	Initiate Report of Violation (ROV) if necessary.								

## Section 1: Administrative Items

### IMO Applicability Dates:

Reference	Date
SOLAS 1960 SOLAS 1974 1978 Protocol to SOLAS 1974 1981 Amendments (II-1 & II-2) 1983 Amendments (III) <i>Various additional amendments to SOLAS</i>	26 MAY 65 25 MAY 80 01 MAY 81 01 SEP 84 01 JUL 86
MARPOL 73/78 Annex I MARPOL 73/78 Annex II MARPOL 73/78 Annex III MARPOL 73/78 Annex V	02 OCT 83 06 APR 87 01 JUL 92 31 DEC 88
IBC Code BCH Code	After 01 JUL 86 Prior to 01 JUL 86
IGC Code IGC Code (for existing vessels)	After 01 JUL 86 Prior to 01 JUL 86
COLREGS 1972 <i>Various additional amendments to COLREGS</i>	15 JUL 77
Load Line 1966	21 JUL 68
STCW 1978 1991 Amendments 1994 Amendments 1995 Amendments	28 APR 84 01 DEC 92 01 JAN 96 01 FEB 97

## Cargoes Requiring a Response Plan:

Type of Cargo	Name of Cargo		
Asphalt Solution	• Blending stocks	• Roofers stock	• Straight run residue
Animal Oils	• Tallow • Lard • Stearic acid	• Olive acid • Sperm oil	• Fish oil • Fish liver
Distillates	• Flashed feed stocks	• Straight run	
Easenal Oils	• Pinene	• Turpentine	• Dipentine
Edible Oils	• Corn • Coconut	• Soybean • Olive	• Cotton seed
Gasolines	• Automotive • Aviation • Casinghead	• Polymer • Straight run • Gas, oil cracked	• Akylates • Reformates
Naptha	• Aromatic • Cracking fraction • Heavy	• Paraffinic • Petroleum • Solvent	• Stoddard solvent • Varnish makers
Oils	• Clarified oil • Crude oil • Fuel oils [# 1 (Kerosene), # 2, # 2D, # 4, # 5, # 6] • Residual fuel oil • Transformer oil • Lube oil and blending stock	• Aromatic oil (excluding vegetable oil) • Mineral oil • Motor oil • Penetrating oil • Spindle oil • Turbine oil • Octene	• Olefin • Animal • Range • Residual • Resin • Road • White (mineral)

## Vessel Information:

Classification Society			
ISM Issuer: Same as above?			
Yes		No If not the same, which Recognized Organization? _____	
<b>NOTE:</b> The period of validity for ISM documents should correspond to the following list. If they do NOT, ISM documents should be further investigated.			
<input type="checkbox"/> 5 years = Full term (SMS and DOC)	<input type="checkbox"/> 12 months = Interim (DOC)		
<input type="checkbox"/> 6 months = Interim (SMC)	<input type="checkbox"/> 5 months = Short term (SMC)		
Gross Tons		No Change (VFMD)	
Net Tons		No Change (VFMD)	
Built Date (use delivery date)		No Change (VFCD)	
Overall Length (in feet)		No Change (VFMD)	
Does vessel meet double-hull requirements?			
Yes		No If not, vessel must meet requirements by _____ (date) in accordance with 33 CFR Part 157 Appendix G.	
Last Three Cargoes			
1. _____			
2. _____			
3. _____			
Is pumproom gas-free?	Yes	No	N/A

## Vessel Description:

Crude Carrier

Product Carrier

Chemical Carrier

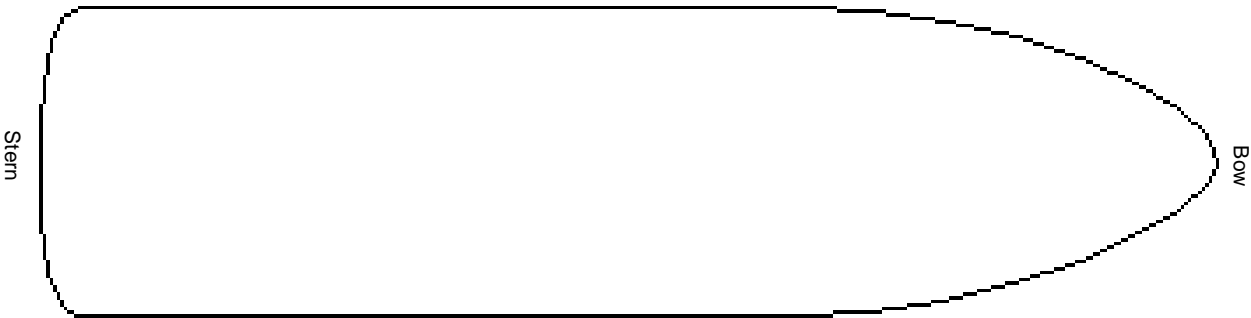
Combination

Oil / Bulk / Ore

Other

Section 6: Appendices

Vessel Layout:



- Double hull / bottom / sides
- Ballast tanks (SBT/CBT)
- Chemical tank type: I II III
- Tank arrangement
- Deckhouse location
- External / internal framing
- Layout of pumps – type

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endors. Date
International Load Line (ILL) No Change						
International Oil Pollution Prevention w/Form B (IOPP) No Change						
Certificate of Fitness (COF) No Change	USCG					
International Tonnage (ITC) No Change						
Safety Management (SMC) No Change						
Document of Compliance (DOC) No Change						

☐ **Fire Drill:**

Location: \_\_\_\_\_ Time on Scene: \_\_\_\_\_

Notes: \_\_\_\_\_

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

<input type="checkbox"/>	Lifesaving equipment maintenance record	46 CFR 199.190(e) SOLAS 74/78 III/19
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- Periodic checks as required
- Visual inspection of survival craft / rescue boat and launching appliances
- Operation of lifeboat / rescue boat engines
- Lifesaving appliances, including lifeboat equipment examined

☐ Emergency training and drills SOLAS 74/78 III/18

- Onboard training in use of lifesaving equipment (all crew members)
- SOLAS training manual
- Logbook records 46 CFR 199.180
- Fire and lifeboat drills SOLAS 74/78 III/18.5
- General alarm tested SOLAS 74/78 III/25

□ Bridge log

- |   |               |
|---|---------------|
| • Pre-arrival tests conducted   | STCW 95 I/14  |
| • Casualties (navigation equipment and steering gear failures reported) | 33 CFR 164.25 |
| • Steering gear drills  | 46 CFR 35.07  |
| • Emergency steering drills   |               |

☐ Information available to master (as required) 46 CFR 42.15-1

- Loading manual 46 CFR 31.10-32
- Trim and stability book 46 CFR 45.105(a)

<input type="checkbox"/>	Cargo and ballast system instruction manual	33 CFR 157.23 46 CFR 153.806
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<input type="checkbox"/>	Oil record book	MARPOL Ax. I/20 33 CFR 151.25
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- |                          |  |                                    |
|--------------------------|--|------------------------------------|
|                          | <ul style="list-style-type: none"> <li>• Each operation signed by person-in-charge</li> <li>• Each complete page signed by master</li> <li>• Book maintained for 3 years</li> </ul>                            | 33 CFR 151.25                      |
| <input type="checkbox"/> | <b>Shipboard oil pollution emergency plan</b> <ul style="list-style-type: none"> <li>• Approved by Coast Guard / class society</li> <li>• Contact numbers correct</li> <li>• Immediate Actions List</li> </ul> | MARPOL Ax. I/26.1<br>33 CFR 151.26 |

Notes: \_\_\_\_\_

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## Pumprooms:

- Ventilation  
**WARNING:** Pumproom must be adequately ventilated prior to personnel entry.
  - Forced exhaust 46 CFR 153.310
  - Termination of external openings 46 CFR 153.312
  - Intake below and above floor plates
  - Operable from outside pumproom
  - Adequate volume
  - Material condition of ducting
- Pumps
  - Pressure gauges outside pumproom and operable 46 CFR 153.333
  - Type of drive \_\_\_\_\_
  - Material condition
- Shaft seals (where motor rooms are installed)
  - Leakage
  - Vapor-tight
  - Adequate supply of oil (where required)
- General
  - Hoisting arrangement 46 CFR 153.332
  - Bilge pumping system 46 CFR 153.334
    - Operational
    - Remote controls
    - High-level alarm

## Electrical Systems:

**NOTE:** Requirements for inspecting the following electrical items are detailed in Subchapter J as per 46 CFR 153.466.

- Explosion-proof lighting fixtures 46 CFR 111.105
  - Tight globe
  - Heavy construction
  - Explosion-proof seals around cables

Notes: \_\_\_\_\_

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## Section 3: Inspection Items for All Vessels

### Navigation Equipment:

- ☐ Navigation publications (as applicable) 46 CFR 35.20-1  
33 CFR 164.33  
SOLAS 74/78 V/20
  - Current and corrected charts
  - U.S. Coast Pilot
  - Great Lakes Pilot
  - Sailing directions
  - Coast Guard Light List
  - Notice to mariners
  - Tide tables
  - Tidal current tables
  - International Rules of the Road
  - Inland Rules of the Road
- ☐ Operationally test radar(s) and ARPA 46 CFR 32.15-30  
33 CFR 164.35  
33 CFR 164.37  
33 CFR 164.38  
SOLAS 74/78 V/12
  - 2 required if over 10,000 GT
  - Operate independently
  - ARPA acquires targets
- ☐ Compasses 46 CFR 32.15-35  
33 CFR 164.35  
SOLAS 74/78 V/12
  - Illuminated gyrocompass with repeater at stand
  - Illuminated magnetic compass
  - Current deviation table
- ☐ Test electronic depth sounding device and recorder 46 CFR 32.15-10  
33 CFR 164.35  
SOLAS 74/78 V/12
  - Accurate readout
  - Test all transducers
  - Continuous recorder (chart)
- ☐ Speed and distance indicator 33 CFR 164.40  
SOLAS 74/78 V/12
- ☐ Propulsion shaft tachometer SOLAS 74/78 V/12

Notes: \_\_\_\_\_

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## **Quick-closing Valves:**

**NOTE:** Requirements for quick-closing valves are detailed in 46 CFR 153.284.

- ☐ Operation
  - Tested from at least 2 remote locations
  - Closure time < 30 seconds
  - All valves fully closed
  - Pumps automatically shut off
- ☐ Capable of local manual operation
  - Reasonably short time
  - Under emergency conditions
- ☐ Fusible elements
  - Located at tank domes and loading manifold
  - No paint on face of plug

## **Venting:**

- ☐ Type of vent system
  - Open, gooseneck
  - P/V 46 CFR 153.355
  - High velocity 46 CFR 153.353
- ☐ Vent piping
  - No stop valves allowed
  - Bypass capability 46 CFR 153.361
  - Material condition
  - Segregation
    - Independent
    - Common
    - Portable
  - Agreement with plans
  - Suitable connections for flushing and draining 46 CFR 153.362
  - Coated or lined same as tank
  - Prohibited materials 46 CFR 153.236

Notes: \_\_\_\_\_

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- ☐ Maneuvering facts sheet with warning statements 33 CFR 164.35
- ☐ EPIRB (406 MHz)
  - Float-free arrangement
  - Battery date current
  - Hydrostatic releaseSOLAS 74/78 IV/7.1.6  
46 CFR 199.510  
NVIC 2-93
- ☐ GMDSS lifeboat radios (VHF)
  - 3 if over 500 GT
  - Operable conditionSOLAS 74/78 III/6.2  
NVIC 9-93
- ☐ 9 GHz radar transponder (SART)
  - Vessels > 300 GT and < 500 require 1
  - Vessels > 500 GT require 2
  - Stowed so to be rapidly placed in survival craft, or stowed in survival craftSOLAS 74/78 III/6.2  
NVIC 9-93
- ☐ NAVTEX SOLAS 74/78 IV/7.1.4

## **General Health and Safety:**

- ☐ Hospital and first aid equipment 46 CFR 32.40-35
- ☐ Operating room explosion-proof 46 CFR 111.105-37
- ☐ Emergency lighting 46 CFR 112.43  
46 CFR 35.10-15  
SOLAS 74/78 II-2/43.2
- ☐ Crew accommodations 46 CFR 32.40
  - Size
  - Lighting and wiring
  - Heating
  - Ventilation
  - Sanitation 46 CFR 31.10-45
  - Screens
  - Insulation
  - Fire retardant

Notes: \_\_\_\_\_

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- Crew respiratory / eye protection 46 CFR 153.527
  - EEBD > 15-minute duration

### **Cargo Operations:**

- Warning signs and signals
  - Red signal visible, light / flag 46 CFR 153.953
  - Warning signs at gangway 46 CFR 153.955
    - “Warning”
    - “Dangerous Cargo”
    - “No Smoking”
    - “No Open Lights”
- Portable cargo hose 46 CFR 153.940
  - Marked or stenciled
  - Date
  - Tested
  - Test pressure
  - MAWP
  - Service temperature
    - Maximum
    - Minimum
  - Test pressure
- Cargo discharge methods
  - Pumproom
  - Deepwell pump
  - Submerged pump
  - Gas pressurization 46 CFR 153.964
  - Liquid displacement 46 CFR 153.966

### **Cargo Tanks:**

- Trunks and hatches, ullage openings 46 CFR 153.256
  - Condition
  - Gaskets
  - Closure
  - Butterworth openings
    - Closed
    - Fitted with flame screens

Notes: \_\_\_\_\_

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- Pilot ladder and hoists in good condition 46 CFR 32.90-1  
SOLAS 74/78 V/17
  - Illumination
  - Spreaders
- Intrinsically safe portable radios 46 CFR 35.30-30
- Safe access to tanker bows SOLAS 74/78 II-1/3-3  
(vessels built prior to 1 JUL 98 not required to comply until 1 JUL 2001)

### **Structural Integrity:**

- Hull structure (list inaccessible compartments or areas) 46 CFR 31.10-15  
ICLL 66 Reg. 1
  - Decks
  - Shell
  - Bulkheads
  - Tank tops
  - Strength members
  - Approved plans on board 46 CFR 31.10-22
- Hull openings and closures 46 CFR 42.13-20  
46 CFR 42.15  
MSM Ch. B1.E.5  
ICLL 66 Regs. 12 - 23  
NVIC 5-82  
NVIC 10-82, Change 1
  - Side ports
  - Air ports and dead covers
  - Refuse chutes
  - Cargo tank hatches
  - Butterworth plates
  - Closing devices, gaskets
  - Light / water test
- Deck openings and closures MSM Ch. B1.E.5  
ICLL 66 Regs. 12 - 20
  - Closing devices
  - Gaskets
  - Light / water test
- Guards, ladders, rails, and gangways 46 CFR 32.02-10  
(including accommodation ladders or pilot ladders) 46 CFR 32.02-15  
ICLL 66 Reg. 25

Notes: \_\_\_\_\_

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- ☐ MARPOL Annex I survey 33 CFR 151.09
  - Discharge of cargo residue
  - Approved monitoring and control system
- ☐ MARPOL Annex II survey 33 CFR 151.30
  - Discharge of cargo residue
  - Approved monitoring and control system

### **Marine Sanitation Devices:**

**NOTE:** Guidance for inspecting marine sanitation devices is detailed in MSM Volume II, Chapter C2.K.

- ☐ Marine sanitation device 33 CFR 159.55  
MSM Ch. B6.F
  - Type I
  - Type II
  - Type III
- ☐ Certified for inspected vessels MSM Ch. B6.F.4
- ☐ Capacity satisfactory MSM Ch. C2.K.7.d
- ☐ Installation 33 CFR 159.57  
MSM Vol. IV Ch. 3.K.1
  - Operation
  - Ventilation
  - Wiring and piping
  - Maintenance
  - Placard posted 33 CFR 159.59
  - Safety
  - Accessibility to parts requiring routine servicing
  - Manufacturer's instructions available

Notes: \_\_\_\_\_

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- ☐ Draft marks 46 CFR 32.05-1
  - Legible
  - Properly sized
  - Properly spaced
- ☐ Load line marks 46 CFR 31.25-1  
46 CFR 42.07-5  
46 CFR 42.13-20  
ICLL 66 Regs. 4 - 9
  - Conform to certificate
  - Legible

### **Ground Tackle:**

- ☐ Anchors 46 CFR 32.15-15  
ABS Rules
  - Tested
  - Windlass
  - Capstans
    - Automatic tensioning device
- ☐ Mooring, standing and running gear (other than gear covered by Cargo Gear Certificate) 46 CFR 32.15-15  
ABS Rules
- ☐ Emergency towing arrangements (vessels ≥ 20,000 DWT only) SOLAS 74/78 II-2/3-4
  - Approved by Administration

### **Cargo Operations:**

- ☐ Warning notices and signals posted 46 CFR 35.30-1
- ☐ Pumprooms / pumps 46 CFR 32.60-20
  - Pumps and controls 46 CFR 32.50-1
  - Relief valves 46 CFR 35.35-70
  - Cofferdams 46 CFR 32.55-45
  - Ventilation 46 CFR 32.55-1
  - Bulkhead penetrations 46 CFR 32.50-1
  - Bilges clean 46 CFR 32.52-5
  - Free of excessive vapors
  - Closures 46 CFR 34.15-35
  - Remote shutdown 46 CFR 32.50-35
  - Electrical controls outside compartment 46 CFR 111.105

Notes: \_\_\_\_\_

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| <input type="checkbox"/> Firemen's outfits   | 46 CFR 35.30-20<br>SOLAS 74/78 II-2/17.3<br>NVIC 2-63<br>NVIC 4-68 |
| <ul style="list-style-type: none"> <li>• Two lockers</li> <li>• Four outfits</li> <li>• Protective clothing</li> <li>• Helmet, boots, and gloves</li> <li>• Lamp</li> <li>• Axe</li> <li>• Self-contained breathing apparatus and lifeline             <ul style="list-style-type: none"> <li>— Spare charges</li> </ul> </li> </ul>     |  |
| <input type="radio"/> Water spray system   | 46 CFR 34.25   |
| <ul style="list-style-type: none"> <li>• Coverage (all tank domes, cargo manifolds, deck tanks)</li> <li>• Operation</li> <li>• Local / remote control</li> <li>• Manual or automatic</li> <li>• Tested</li> <li>• Can operate simultaneously with fire main systems</li> <li>• Controls marked</li> <li>• Material condition</li> </ul> |  |

### **Pollution Prevention:**

**NOTE:** Guidance for inspecting pollution prevention items is detailed in MSM Volume II, Chapter B6.

- |   |                                  |
|---|----------------------------------|
| <input type="checkbox"/> Pollution placard posted                                     | 33 CFR 155.450                   |
| <input type="checkbox"/> MARPOL V placard posted                                      | 33 CFR 151.59                    |
| <input type="checkbox"/> Person-in-charge designation                                 | 33 CFR 155.700<br>33 CFR 155.820 |
| <input type="checkbox"/> Fuel oil containment   | 33 CFR 155.320                   |
| <ul style="list-style-type: none"> <li>• Portable</li> <li>• Fixed</li> </ul>         |                                  |
| <input type="checkbox"/> Fuel tank vents  | 46 CFR 56.50-85                  |
| <ul style="list-style-type: none"> <li>• Flame screens</li> <li>• Closures</li> </ul> |                                  |

Notes: \_\_\_\_\_

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|---|-----------------------------------|
| <input type="checkbox"/> Cargo tank venting   | 46 CFR 32.55-20                   |
| Common header system  |                                   |
| <ul style="list-style-type: none"> <li>• P/V valves</li> <li>• Flame arrestors</li> <li>• Flush and drain connections</li> <li>• Inert gas controls</li> <li>• Piping</li> </ul>  |                                   |
| Independent PV valves   |                                   |
| <ul style="list-style-type: none"> <li>• Flame screen</li> </ul>  |                                   |
| Independent goosenecks  |                                   |
| <ul style="list-style-type: none"> <li>• Flame screen</li> <li>• Closure device</li> </ul>  |                                   |
| <input type="checkbox"/> Explosion-proof fixtures   | 46 CFR 111.105                    |
| <input type="checkbox"/> Independent tanks  | 46 CFR 32.60-30<br>46 CFR 153.251 |
| <ul style="list-style-type: none"> <li>• External examination _____</li> <li>• Date of internal examination _____</li> <li>• Date of hydrostatic test _____</li> <li>• Saddles; foundation and stowage</li> <li>• Piping and valves</li> <li>• Relief valves</li> <li>• Securing devices</li> <li>• Cargo hose</li> <li>• Electrical grounding</li> <li>• Authorized cargo</li> </ul> |                                   |
| <input type="checkbox"/> Weather decks  | 46 CFR 111.105                    |
| <ul style="list-style-type: none"> <li>• Sources of vapor ignition</li> <li>• Doors, ports, scuttles,, gaskets, and closures satisfactory</li> <li>• Portable window air conditioners and fans</li> <li>• Ventilation systems</li> </ul>  |                                   |
| <input type="checkbox"/> Air compressor intakes   | 46 CFR 32.35-15                   |
| <ul style="list-style-type: none"> <li>• Prohibited locations</li> </ul>  |                                   |

Notes: \_\_\_\_\_

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- ☐ Fixed fire extinguishing systems
- Controls, instructions, marking 46 CFR 34.05-5
  - Alarms tested 46 CFR 34.15
  - Piping 46 CFR 34.17
  - Heads, distribution SOLAS 74/78 II-2/21
  - Bottles weighed annually MSM Ch. C2.I
  - Bottles hydrostatically tested (every 12 years) NVIC 6-70
  - Flexible loops tested or replaced (10% per year) NVIC 6-72, Change 1
  - Deck foam system 46 CFR 31.10-18(a)
  - Sea suction, strainers 46 CFR 34.20
  - Fixed system tested SOLAS 74/78 II-2/61
  - Storage space / door

Type of system: (circle appropriate type)			
Low Pressure CO <sub>2</sub>	High Pressure CO <sub>2</sub>	Halon	Foam

- ☐ Foam tanks
- Markings 46 CFR 34.17
  - Test 46 CFR 35.40-10
  - Analysis SOLAS 74/78 II-2/61
  - Refilled NVIC 6-72
  - Polar / non-polar foam NVIC 11-82
  - Cargo compatible

- ☐ Fire main system
- Pumps 46 CFR 34.05
  - Piping 46 CFR 31.10-18(g)
  - Cut-off valves 46 CFR 34.10-5
  - Drains 46 CFR 31.10-18(f)
  - 46 CFR 34.10-15(c)
  - NVIC 6-72, Change 1
  - SOLAS 74/78 II-2/4
  - SOLAS 74/78 II-2/21
  - MSM Ch. C2.I.9
  - MSM Ch. C2.I.8

Notes: \_\_\_\_\_

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- ☐ Closed gauging arrangement 46 CFR 39.20-3
- ☐ Liquid overfill protection 46 CFR 39.20-9
- High-level and tank overfill alarms
  - Alarm with automatic shutdown system
  - Spill valve
  - Rupture disk
  - Intrinsically safe
  - Audible and visual alarms
  - Operational test

### **Lifesaving Equipment:**

**NOTE:** Exemptions and alternatives for vessels not subject to SOLAS can be found in 46 CFR 199.600.

- ☐ General alarms
- Controls 46 CFR 32.25
  - Batteries and fuses 46 CFR 113.25
  - Tested SOLAS 74/78 III/6.4
  - Markings 46 CFR 35.40
  - Bell locations audible
- ☐ Type of lifeboat
- Davit launched
  - Free fall
- ☐ Lifeboats stripped, cleaned and inspected 46 CFR 199.190(f)
- Date of annual servicing \_\_\_\_\_
- ☐ Lifeboats and work boats
- Hull and fittings 46 CFR 199.201
  - Tanks and fittings 46 CFR 199.202
  - Cradles 46 CFR 199.261
  - Gripes 46 CFR 199.262
  - Compressed air cylinders SOLAS 74/78 III/19.2
  - Markings SOLAS 74/78 III/26
  - MSM Ch. C2.H.2
  - 46 CFR 199.176

Notes: \_\_\_\_\_

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- ☐ Lifefloats and buoyant apparatus 46 CFR 199.640
- Equipment
  - Stowage
  - Markings
- ☐ Line-throwing apparatus 46 CFR 199.170  
SOLAS 74/78 III/17
- Equipment
  - Required drills held
  - Magazine
  - Type \_\_\_\_\_
- ☐ Lifebuoys 46 CFR 199.70(a)  
SOLAS 74/78 III/7  
SOLAS 74/78 III/27
- Lights
  - Lines
  - Smoke signals
  - Stowage
  - Markings
- ☐ Lifejackets 46 CFR 199.70(b)  
SOLAS 74/78 III/7.2.2  
MSM Ch. C2.H.4  
NVIC 2-63
- Adult \_\_\_\_\_ Children \_\_\_\_\_
- Retro-reflective tape
  - Lights
  - Whistles
  - Work vests
  - Stamped passed
  - Number of lifejackets rejected by inspector \_\_\_\_\_
- ☐ Lifejacket stowage 46 CFR 199.70(b)  
SOLAS 74/78 III/7.2  
46 CFR 199.80(c)  
46 CFR 199.70(b)(2)  
46 CFR 199.80(c)  
46 CFR 199.217
- Required notices and markings
  - Stowage lockers
  - Wearing instructions
  - Location instructions (passenger vessels)
- ☐ Work vests 46 CFR 35.03  
46 CFR 35.03-5  
46 CFR 35.03-15
- Approved type
  - Stowage
- ☐ Stateroom notices posted 46 CFR 199.80(c)

Notes: \_\_\_\_\_

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Item Number	Item	International Voyage		Short International Voyage	
		Lifeboat	Rescue Boat	Lifeboat	Rescue Boat
29	Signal, smoke	2		2	
30	Signal, hand flare	6		6	
31	Signal, parachute flare	4		4	
32	Skates and fenders <sup>8</sup>	1	1	1	1
33	Sponge <sup>7</sup>		2		2
34	Survival instructions	1		1	
35	Table of lifesaving signals	1		1	
36	Thermal protective aids <sup>9</sup>	10%	10%	10%	10%
37	Tool kit	1		1	
38	Tow line <sup>10</sup>	1	1	1	1
39	Water (liters/person)	3		3	
40	Whistle	1	1	1	1

**Footnotes:**

- 1 Each rigid liferaft equipped for 13 persons or more must carry two of these items.
- 2 Not required for boats of self-bailing design.
- 3 Not required for inflated or rigid-inflated rescue boats.
- 4 A hatchet counts towards this requirement in rigid rescue boats.
- 5 Oars are not required on a free-fall lifeboat; a unit of oars means the number of oars specified by the boat manufacturer.
- 6 Rescue boats may substitute buoyant paddles for oars, as specified by the manufacturer.
- 7 Not required for a rigid rescue boat.
- 8 Required if specified by the boat manufacturer.
- 9 Sufficient thermal protective aids are required for at least 10% of the persons the survival craft is equipped to carry, but not less than two.
- 10 Required only if the lifeboat is also the rescue boat.

Notes: \_\_\_\_\_

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